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and is rather easily eroded. There is no transition layer between the two, yet they interpenetrate somewhat. Processes of limestone surround portions of the shale, and lumps of limestone are found in the shale, moreover the limestone is roughly separated into beds by shale partings. They find that the steepness of the butte is a function of the rate of degradation of the surrounding surfaces, and that the height depends on the rate of degradation and the size of the cross section.

As to cause, the facts do not seem to be sufficient as yet. They favor the idea that the limestone cores are due to colonies of Lucina, more especially which dying on these sites left their shells to form the limestone while fine silts were forming the shales around. Why the molluscs congregated at these places and what caused the apparent mortality we are left to conjecture. They are interesting topographically and unique in some of their relations.

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